



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

March 4, 2011

Mr. Michael J. Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Rd.
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER FOR LIMERICK GENERATING STATION
(05000352/2010001 and 05000353/2010001)

Dear Mr. Pacilio:

On February 8, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the Limerick Generating Station Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010 through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

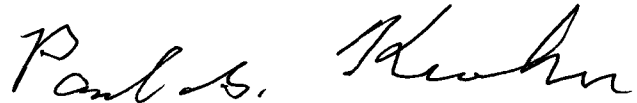
The NRC determined that overall, Limerick Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined that the performance at Limerick Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. In addition to the baseline inspection program, we plan to conduct Inspection Procedure (IP) 60855, "Operation of an ISFSI." The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (610) 337-5120 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul G. Krohn".

Paul G. Krohn, Chief
Division of Reactor Projects
Projects Branch 4

Docket Nos. 50-352, 50-353
License Nos. NPF-39, NPF-85

cc w/encl: Distribution via ListServ
Limerick Inspection/ Activity Plan

M. Pacilio

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Please contact me at (610) 337-5120 with any questions you have regarding this letter.

Sincerely
/RA/

Paul G. Krohn, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos. 50-352, 50-353
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Limerick Inspection/ Activity Plan

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Limerick

Inspection / Activity Plan

01/01/2011 - 06/30/2012

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			71124 - OCC RAD SAFETY		1
1,2	01/10/2011	01/14/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/10/2011	01/14/2011	IP 71124.02	Occupational ALARA Planning and Controls	
			7111108G - U2 INSERVICE INSPECTION		1
2	04/04/2011	04/08/2011	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - OCC RAD SAFETY		1
1,2	04/04/2011	04/08/2011	IP 71124.02	Occupational ALARA Planning and Controls	
			71124 - OCC RAD SAFETY		1
1,2	04/04/2011	04/08/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/04/2011	04/08/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/04/2011	04/08/2011	IP 71124.04	Occupational Dose Assessment	
			7111107T - TRIENNIAL HEAT SINK		1
1,2	06/14/2011	06/18/2011	IP 7111107T	Heat Sink Performance	
			60855 - ISFSI OPERATION INSPECTION		1
1,2	06/13/2011	08/19/2011	IP 60855	Operation Of An ISFSI	
			71124 - OCC RAD SAFETY - INSTRUMENTS		1
1,2	08/08/2011	08/12/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			TI-177 - MANAGING GAS ACCUMULATION IN ECCS		3
1,2	08/08/2011	08/12/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			71124 - REMP		1
1,2	09/26/2011	09/30/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			7111117 - PERMANENT PLANT MODIFICATIONS		3
1,2	10/17/2011	10/21/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	10/31/2011	11/04/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			71124 - EFFLUENTS		1
1,2	10/31/2011	11/04/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			EP EX - EP EXERCISE EVALUATION		5
1,2	11/14/2011	11/18/2011	IP 7111401	Exercise Evaluation	
1,2	11/14/2011	11/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	11/14/2011	11/18/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	11/14/2011	11/18/2011	IP 71151-EP02	ERO Drill Participation	
1,2	11/14/2011	11/18/2011	IP 71151-EP03	Alert & Notification System	
			71124 - OCC RAD SAFETY		1
1,2	01/09/2012	01/13/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/09/2012	01/13/2012	IP 71124.02	Occupational ALARA Planning and Controls	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Limerick
Inspection / Activity Plan

01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			71124 - OCC RAD SAFETY		1
1,2	01/09/2012	01/13/2012	IP 71124.04	Occupational Dose Assessment	
			7111108G - INSERVICE INSPECTION		1
1	02/27/2012	03/02/2012	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - OCC RAD SAFETY		1
1,2	03/05/2012	03/09/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/05/2012	03/09/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/05/2012	03/09/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/05/2012	03/09/2012	IP 71124.04	Occupational Dose Assessment	
			71124 - RW		1
1,2	06/11/2012	06/15/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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This report shows only on-site and announced inspection procedures.